



EU - Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)

(3) EU - Type Examination Certificate number:

FTZÚ 20 ATEX 0010

(4) Product: **End-of-line deflagration flame arrester with vacuum and overpressure valve type KNPA-PE-IIA-DN40-POPRV**

(5) Manufacturer: **Galon s.r.o.**

(6) Address: **Turie 139, 013 12, Žilina, Slovakia**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report number:

20/0010 dated 20.01.2020

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN ISO 16852:2016

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

(11) This certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



This certificate is valid till: **29.01.2025**

Responsible person:

Lukáš Martinák
Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.01.2020

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 20 ATEX 0010**

(15) Description of Product:

End-of-line deflagration flame arrester with vacuum and overpressure valve type **KNPA-PE-IIA-DN40-POPRV** is a device whose intended function is to allow the flow of flammable gases or vapors but prevent the flame transmission.

End-of-line flame arrester is connected at to the hole on the vessel. In the case of the end-of-line flame arrester is the safety area inside space of the vessel. The stabilized burning was not tested on the flame arrester.

The flame arrester consists of the following parts:

- Housing with connection flange DN 40,
- Crimped ribbon flame arrester element,
- Cover with integrated vacuum and overpressure valve.

End-of-line deflagration flame arrester type **KNPA-PE-IIA-DN40-POPRV** consists from three flame arrester elements (L-left, R-right, L-left).

Technical parameters:

Nominal size:	DN 40
Nominal pressure:	PN 6
Explosion group:	IIA (MSEG > 0.90 mm)
Operational temperature T_0 :	$-20\text{ °C} \leq T_0 \leq +60\text{ °C}$
Maximum operational pressure p_0 :	$80\text{ kPa abs} \leq p_0 \leq 110\text{ kPa abs}$
Activation value for overpressure valve:	120 ... 150 kPa abs
Activation value for vacuum valve:	2,4 ... 3,0 kPa abs
Weight:	11.5 kg

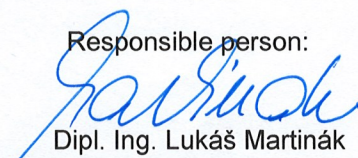
(16) Report Number.: 20/0010

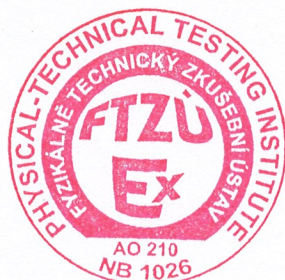
(17) Specific Conditions of Use: none

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standard mentioned in clause (9) of this certificate.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.01.2020

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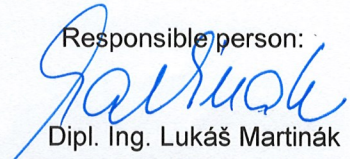
Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 20 ATEX 0010**

(19) Drawings and Documents:

Number	Sheets	Date	Title
TP 100 435 014	22	20.01.2020	Technical conditions
--	14	20.01.2020	Instruction for use, installation and maintenance
DS-301177	1	25.03.2003	Drawing
DS-301181	1	25.03.2003	Drawing
DS-301180	1	25.03.2003	Drawing
DS-402497	1	25.09.1997	Drawing
DS-301182	1	--	Drawing
DS-401971	1	25.09.1997	Drawing
DS-401967	1	19.09.1997	Drawing
DS-401805	1	05.12.1996	Drawing
DS-401838	1	27.02.1997	Drawing
DS-401852	1	25.02.1997	Drawing
DS-401853	1	26.02.1997	Drawing
DS-401837	1	25.02.1997	Drawing
DS-401845	1	26.02.1997	Drawing
DS-401846	1	25.05.1997	Drawing
DS-300753	1	28.02.1997	Drawing
DS-200270	1	01.04.2003	Drawing
DS-401851	1	05.03.1997	Drawing
DS-401833	1	25.02.1997	Drawing
DS-401832	1	12.02.1997	Drawing
DS-200276	1	07.03.1997	Drawing
DS-401834	1	24.02.1997	Drawing
DS-401835	1	12.02.1997	Drawing
DS-401836	1	12.02.1997	Drawing
DS-401831	1	21.07.1997	Drawing
DS-401839	1	24.02.1997	Drawing
DS-200245	1	--	Drawing
DS-402468B	1	21.03.2003	Drawing
DS-402468C	1	--	Drawing
DS-402467	1	25.06.2001	Drawing
DS-401840	1	12.03.1997	Drawing
DS-401841	1	24.02.1997	Drawing
DS-300756	1	18.03.1997	Drawing
DS-300755	1	17.03.1997	Drawing
DS-300754	1	17.03.1997	Drawing
DS-200237	3	24.03.2003	Drawing
DS-401568	1	--	Drawing

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